

SEQUENCE LISTING 1

1 GGTACCGGTA GAAAAAATGA GTAAAGGAGA AGAACTTTTC ACTGGAGTTG
 51 TCCCAATTCT TGTTGAATTA GATGGTGATG TTAATGGGCA CAAATTTTCT
 101 GTCAGTGGAG AGGGTGAAGG TGATGCAACA TACGGAAAAC TTACCCTTAA
 5 151 ATTTATTTGC ACTACTGGAA AACTACCTGT TCCATGGCCA ACACTTGTCA
 201 CTACTTTCTC TTATGGTGTT CAATGCTTTT CCCGTTATCC GGATCATATG
 251 AAACGGCATG ACTTTTCAA GAGTGCCATG CCCGAAGGTT ATGTACAGGA
 301 ACGCACTATA TCTTCAAAG ATGACGGGAA CTACAAGACG CGTGCTGAAG
 351 TCAAGTTTGA AGGTGATACC CTTGTTAATC GTATCGAGTT AAAAGGTATT
 10 401 GATTTTAAAG AAGATGGAAA CATTCTCGGA CACAACTCG AGTACAATA
 451 TAACTCACAC AATGTATACA TCACGGCAGA CAAACAAAAG AATGGAATCA
 501 AAGCTAACTT CAAAATTCGC CACAACATTG AAGATGGATC CGTTCAACTA
 551 GCAGACCATT ATCAACAAAA TACTCCAATT GGCGATGGCC CTGTCCTTTT
 601 ACCAGACAAC CATTACCTGT CGACACAATC TGCCCTTTTCG AAAGATCCCA
 15 651 ACGAAAAGCG TGACCACATG GTCCTTCTTG AGTTTGTAAC TGCTGCTGGG
 701 ATTACACATG GCATGGATGA GCTCTACAAA TAA

SEQUENCE LISTING 2

	1	CATCACCATC	ACCATCACCC	CATGAGCGAT	TACGACATCC	CCACTACTGA
	51	GAATCTTTAT	TTTCAGGGCG	CCATGGCGGC	GGCGGTTTCGG	ATGAACATCC
	101	AGATGCTGCT	GGAGGCGGCC	GACTATCTGG	AGCGGCGGGA	GAGAGAAGCT
5	151	GAACATGGTT	ATGCCTCCAT	GTTACCATAC	AAAAACAAGG	ACAGAGATGC
	201	CTTAAAACGG	AGGAACAAAT	CCAAAAAGAA	TAACAGCAGT	AGCAGATCAA
	251	CTCACAATGA	AATGGAGAAG	AATAGACGGG	CTCATCTTCG	CTTGTGCCTG
	301	GAGAAGTTGA	AGGGGCTGGT	GCCACTGGGA	CCCGAATCAA	GTGACACAC
	351	TACGTTGAGT	TTATTAACAA	AAGCCAAAT	GCACATAAAG	AACTTGAAG
10	401	ATTGTGACAG	AAAAGCCGTT	CACCAAATCG	ACCAGCTTCA	GCGAGAGCAG
	451	CGACACCTGA	AGAGGCAGCT	GGAGAAGCTG	GGCATTGAGA	GGATCCGGAT
	501	GGACAGCATC	GGCTCCACCG	TCTCCTCGGA	GCGCTCCGAC	TCCGACAGGG
	551	AAGAAATCGA	CGTTGACGTG	GAGAGCACGG	ACTATCTCAC	AGGTGATCTG
	601	GACTGGAGCA	GCAGCAGTGT	GAGCGACTCT	GACGAGCGGG	GCAGCATGCA
15	651	GAGCCTCGGC	AGTGATGAGG	GCTATTCCAG	CACCAGCATC	AAGAGAATAA
	701	AGCTGCAGGA	CAGTCACAAG	GCGTGTCTTG	GTCTCTAACT	AGTGGTACCG
	751	GATCCGAATT	CGAGCTCCGT	CGACAAGCTT	GCGGCCGCAC	TCGAGCACCA
	801	CCACCACCAC	CACTGAGATC	CGGCTGCTAA	CAAAGCCCGA	AAGGAAGCTG
	851	AGTTGGCTGC	TGCCACCGTG	GAGCAATAAC	TAGCATAACC	CCTTGGGGCC
20	901	TCTAAACGGG	TCTTGAGGGG	TTTTTTTGCTG	AAAGGAGGAA	CTATATCCGG
	951	ATTGGCGAAT	GGGACGCGCC	CTGTAGCGGC	GCATTAAGCG	CGGCGGGTGT
	1001	GGTGGTTACG	CGCAGCGTGA	CCGCTACACT	TGCCAGCGCC	CTAGCGCCCC
	1051	CTCCTTTCGC	TTTCTTCCCT	TCCTTTCTCG	CCACGTTTCG	CGGCTTTCCC
	1101	CGTCAAGCTC	TAAATCGGGG	GCTCCCTTTA	GGGTTCGGAT	TTAGTGCTTT
25	1151	ACGGCACCTC	GACCCCAAAA	AACTTGATTA	GGGTGATGGT	TCACGTAGTG
	1201	GGCCATCGCC	CTGATAGACG	GTTTTTCGCC	CTTTGACGTT	GGAGTCCACG
	1251	TTCTTTAATA	GTGGACTCTT	GTTCCAAACT	GGAACAACAC	TCAACCCTAT
	1301	CTCGGTCTAT	TCTTTTGATT	TATAAGGGAT	TTTGCCGATT	TCGGCTATT
	1351	GGTTAAAAAA	TGAGCTGATT	TAACAAAAAT	TTAACGCGAA	TTTTAACAAA
30	1401	ATATTAACGT	TTACAATTTT	AGGTGGCACT	TTTCGGGGAA	ATGTGCGCGG
	1451	AACCCCTATT	TGTTTTATTT	TCTAAATACA	TTCAAATATG	TATCCGCTCA
	1501	TGAATTAATT	CTTAGAAAAA	CTCATCGAGC	ATCAAATGAA	ACTGCAATTT
	1551	ATTCATATCA	GGATTATCAA	TACCATATTT	TTGAAAAAGC	CGTTTCTGTA
	1601	ATGAAGGAGA	AAACTCACCG	AGGCAGTTCC	ATAGGATGGC	AAGATCCTGG
35	1651	TATCGGTCTG	CGATTCCGAC	TCGTCCAACA	TCAATACAAC	CTATTAATTT
	1701	CCCCTCGTCA	AAAATAAGGT	TATCAAGTGA	GAAATCACCA	TGAGTGACGA
	1751	CTGAATCCGG	TGAGAATGGC	AAAAGTTTAT	GCATTTCTTT	CCAGACTTGT
	1801	TCAACAGGCC	AGCCATTACG	CTCGTCATCA	AAATCACTCG	CATCAACCAA
	1851	ACCGTTATTC	ATTCTGTGAT	GCGCCTGAGC	GAGACGAAAT	ACGCGATCGC
40	1901	TGTTAAAAGG	ACAATTACAA	ACAGGAATCG	AATGCAACCG	GCGCAGGAAC
	1951	ACTGCCAGCG	CATCAACAAT	ATTTTCACCT	GAATCAGGAT	ATTCTTCTAA
	2001	TACCTGGAAT	GCTGTTTTCC	CGGGGATCGC	AGTGGTGAGT	AACCATGCAT
	2051	CATCAGGAGT	ACGGATAAAA	TGCTTGATGG	TCGGAAGAGG	CATAAATTC
	2101	GTCAGCCAGT	TTAGTCTGAC	CATCTCATCT	GTAACATCAT	TGGCAACGCT
45	2151	ACCTTTGCCA	TGTTTCAGAA	ACAACCTTGG	GCGATCGGGC	TTCCCATACA
	2201	ATCGATAGAT	TGTCGCACCT	GATTGCCCGA	CATTATCGCG	AGCCCATTTA
	2251	TACCCATATA	AATCAGCATC	CATGTTGGAA	TTTAATCGCG	GCCTAGAGCA
	2301	AGACGTTTCC	CGTTGAATAT	GGCTCATAAC	ACCCCTTGTA	TTACTGTTTA
	2351	TGTAAGCAGA	CAGTTTTATT	GTTTCATGACC	AAAATCCCTT	AACGTGAGTT
50	2401	TTGCTTCCAC	TGAGCGTCAG	ACCCCGTAGA	AAAGATCAAA	GGATCTTCTT
	2451	GAGATCCTTT	TTTTCTGCGC	GTAATCTGCT	GCTTGCAAAC	AAAAAAACCA
	2501	CCGCTACCAG	CGGTGGTTTG	TTTGCCGGAT	CAAGAGCTAC	CAACTCTTTT
	2551	TCCGAAGGTA	ACTGGCTTCA	GCAGAGCGCA	GATACCAAAT	ACTGTCCTTC
	2601	TAGTGTAGCC	GTAGTTAGCC	CACCACTTCA	AGAAGCTGTG	AGCAGCGCCT
55	2651	ACATACCTCG	CTCTGCTAAT	CCTGTTACCA	GTGGCTGCTG	CCAGTGCGCA
	2701	TAAGTCGTGT	CTTACCGGGT	TGGACTCAAG	ACGATAGTTA	CCGGATAAGG
	2751	CGCAGCGGTC	GGGCTGAACG	GGGGGTTCTG	GCACACAGCC	CAGCTTGGAG
	2801	CGAACGACCT	ACACCGAACT	GAGATACCTA	CAGCGTGAGC	TATGAGAAAG
	2851	CGCCACGCTT	CCCGAAGGGA	GAAAGGCGGA	CAGGTATCCG	GTAAGCGGCA
60	2901	GGGTCGGAAC	AGGAGAGCGC	ACGAGGGAGC	TTCCAGGGGG	AAACGCCTGG
	2951	TATCTTTATA	GTCCTGTCCG	GTTTCGCCAC	CTCTGACTTG	AGCGTCGATT

	3001	TTTGTGATGC	TCGTCAGGGG	GGCGGAGCCT	ATGGAAAAAC	GCCAGCAACG
	3051	CGGCCTTTTT	ACGGTTCCTG	GCCTTTTGCT	GGCCTTTTGC	TCACATGTTC
	3101	TTTCCCTGCGT	TATCCCCTGA	TTCTGTGGAT	AACCGTATTA	CCGCCTTTGA
	3151	GTGAGCTGAT	ACCGCTCGCC	GCAGCCGAAC	GACCGAGCGC	AGCGAGTCAG
5	3201	TGAGCGAGGA	AGCGGAAGAG	CGCCTGATGC	GGTATTTTCT	CCTTACGCAT
	3251	CTGTGCGGTA	TTTCACACCG	CATATATGGT	GCACTCTCAG	TACAATCTGC
	3301	TCTGATGCCG	CATAGTTAAG	CCAGTATACA	CTCCGCTATC	GCTACGTGAC
	3351	TGGGTTCATGG	CTGCGCCCCG	ACACCCGCCA	ACACCCGCTG	ACGCGCCCCG
	3401	ACGGGCTTGT	CTGCTCCCGG	CATCCGCTTA	CAGACAAGCT	GTGACCGTCT
10	3451	CCGGGAGCTG	CATGTGTCAG	AGGTTTTTAC	CGTCATCACC	GAAACGCGCG
	3501	AGGCAGCTGC	GGTAAAGCTC	ATCAGCGTGG	TCGTGAAGCG	ATTACACAGAT
	3551	GTCTGCCTGT	TCATCCGCGT	CCAGCTCGTT	GAGTTTCTCC	AGAAGCGTTA
	3601	ATGTCTGGCT	TCTGATAAAG	CGGGCCATGT	TAAGGGCGGT	TTTTTCCCTGT
	3651	TTGGTCACTG	ATGCCTCCGT	GTAAGGGGGA	TTTCTGTTCA	TGGGGGTAAT
15	3701	GATACCGATG	AAACGAGAGA	GGATGCTCAC	GATACGGGTT	ACTGATGATG
	3751	AACATGCCCG	GTTACTGGAA	CGTTGTGAGG	GTAACAACCT	GGCGGTATGG
	3801	ATGCGGCGGG	ACCAGAGAAA	AATCACTCAG	GGTCAATGCC	AGCGCTTCGT
	3851	TAATACAGAT	GTAGGTGTTT	CACAGGGTAG	CCAGCAGCAT	CCTGCGATGC
	3901	AGATCCGGAA	CATAATGGTG	CAGGGCGCTG	ACTTCCGCGT	TTCCAGACTT
20	3951	TACGAAACAC	GGAAACCGAA	GACCATTTCAT	GTGTTGCTC	AGTTCGCAGA
	4001	CGTTTTGCAG	CAGCAGTCGC	TTACGTTTCG	CTCGCGTATC	GGTGATTTCAT
	4051	TCTGCTAACC	AGTAAGGCAA	CCCCGCCAGC	CTAGCCGGGT	CCTCAACGAC
	4101	AGGAGCACGA	TCATGCGCAC	CCGTGGGGCC	GCCATGCCGG	CGATAATGGC
	4151	CTGCTTCTCG	CCGAAACGTT	TGGTGGCGGG	ACCAGTGACG	AAGGCTTGAG
25	4201	CGAGGGCGTG	CAAGATTCCG	AATACCGCAA	GCGACAGGCC	GATCATCGTC
	4251	GCGCTCCAGC	GAAAGCGGTC	CTCGCCGAAA	ATGACCCAGA	GCGCTGCCGG
	4301	CACCTGTCTT	ACGAGTTGCA	TGATAAAGAA	GACAGTCATA	AGTGCGGCGA
	4351	CGATAGTCAT	GCCCCGCGCC	CACCGGAAGG	AGCTGACTGG	GTTGAAGGCT
	4401	CTCAAGGGCA	TCGGTCGAGA	TCCCGGTGCC	TAATGAGTGA	GCTAAGTTAC
30	4451	ATTAATTGCG	TTGCGCTCAC	TGCCCGCTTT	CCAGTCGGGA	AACCTGTCTG
	4501	GCCAGTGCAT	TTAATGAATC	GGCCAACGCG	CGGGGAGAGG	CGGTTTGCCT
	4551	ATTGGGCGCC	AGGGTGGTTT	TTCTTTTCAC	CAGTGAGACG	GGCAACAGCT
	4601	GATTGCCCTT	CACCGCCTGG	CCCTGAGAGA	GTTGCAGCAA	GCGGTCCACG
	4651	CTGGTTTGCC	CCAGCAGGCG	AAAATCCTGT	TTGATGGTGG	TTAACGGCGG
35	4701	GATATAACAT	GAGCTGTCTT	CGGTATCGTC	GTATCCCACT	ACCGAGATAT
	4751	CCGCACCAAC	GCGCAGCCCG	GACTCGGTAA	TGGCGCGCAT	TGCGCCCAGC
	4801	GCCATCTGAT	CGTTGGCAAC	CAGCATCGCA	GTGGGAACGA	TGCCCTCATT
	4851	CAGCATTTGC	ATGGTTTGTT	GAAAACCGGA	CATGGCACTC	CAGTCGCCTT
	4901	CCCGTTCCGC	TATCGGCTGA	ATTTGATTGC	GAGTGAGATA	TTTATGCCAG
40	4951	CCAGCCAGAC	GCAGACGCGC	CGAGACAGAA	CTTAATGGGC	CCGCTAACAG
	5001	CGCGATTTGC	TGGTGACCCA	ATGCGACCAG	ATGCTCCACG	CCCAGTCGCG
	5051	TACCGTCTTC	ATGGGAGAAA	ATAATACTGT	TGATGGGTGT	CTGGTCAGAG
	5101	ACATCAAGAA	ATAACGCCGG	AACATTAGTG	CAGGCAGCTT	CCACAGCAAT
	5151	GGCATCCTGG	TCATCCAGCG	GATAGTTAAT	GATCAGCCCA	CTGACGCGTT
45	5201	GCGCGAGAAG	ATTGTGCACC	GCCGCTTTAC	AGGCTTCGAC	GCCGCTTCGT
	5251	TCTACCATCG	ACACCACCAC	GCTGGCACCC	AGTTGATCGG	CGCGAGATTT
	5301	AATCGCCGCG	ACAATTTGCG	ACGGCGCGTG	CAGGGCCAGA	CTGGAGGTGG
	5351	CAACGCCAAT	CAGCAACGAC	TGTTTGCCCG	CCAGTTGTTG	TGCCACGCGG
	5401	TTGGGAATGT	AATTCAGCTC	CGCCATCGCC	GCTTCCACTT	TTTCCGCGT
50	5451	TTTCGCAGAA	ACGTGGCTGG	CCTGGTTCAC	CACGCGGGAA	ACGGTCTGAT
	5501	AAGAGACACC	GGCATACTCT	GCGACATCGT	ATAACGTTAC	TGGTTTCACA
	5551	TTCAACACCC	TGAATTGACT	CTCTTCCGGG	CGCTATCATG	CCATACCGCG
	5601	AAAGGTTTTG	CGCCATTCTGA	TGGTGTCCGG	GATCTCGACG	CTCTCCCTTA
	5651	TGCGACTCCT	GCATTAGGAA	GCAGCCAGT	AGTAGGTTGA	GGCCGTTGAG
55	5701	CACCGCCGCC	GCAAGGAATG	GTGCATGCAA	GGAGATGGCG	CCCAACAGTC
	5751	CCCCGGCCAC	GGGGCCTGCC	ACCATACCCA	CGCCGAAACA	AGCGCTCATG
	5801	AGCCCGAAGT	GGCGAGCCCG	ATCTTCCCCA	TCGGTGATGT	CGGCGATATA
	5851	GGCGCCAGCA	ACCGCACCTG	TGGCGCCGGT	GATGCCGGCC	ACGATGCGTC
	5901	CGGCGTAGAG	GATCGAGATC	TCGATCCCGC	GAAATTAATA	CGACTCACTA
60	5951	TAGGGGAATT	GTGAGCGGAT	AACAATTCCC	CTCTAGAAAT	AATTTTGATT
	6001	TAACTTTAAG	AAGGAGATAT	ACCATGAAA		

SEQUENCE LISTING 3

	1	CATCACCATC	ACCATCACCC	CATGAGCGAT	TACGACATCC	CCACTACTGA
	51	GAATCTTTAT	TTTCAGGGCG	CCATGGGAGG	CACGGTACCG	GATCCGAATT
	101	CGAGCTCCGT	CGACAAGCTT	GCGGCCGCAC	TCGAGCACCA	CCACCACCAC
5	151	CACTGAGATC	CGGCTGCTAA	CAAAGCCCGA	AAGGAAGCTG	AGTTGGCTGC
	201	TGCCACCGCT	GAGCAATAAC	TAGCATAACC	CCTTGGGGCC	TCTAAACGGG
	251	TCTTGAGGGG	TTTTTTGCTG	AAAGGAGGAA	CTATATCCGG	ATTGGCGAAT
	301	GGGACGCGCC	CTGTAGCGGC	GCATTAAGCG	CGGCGGGTGT	GGTGGTTACG
	351	CGCAGCGTGA	CCGCTACACT	TGCCAGCGCC	CTAGCGCCCG	CTCCTTTTCGC
10	401	TTTCTTCCCT	TCCTTTCTCG	CCACGTTTCGC	CGGCTTTCCC	CGTCAAGCTC
	451	TAAATCGGGG	GCTCCCTTTA	GGGTTCCGAT	TTAGTGCTTT	ACGGCACCTC
	501	GACCCCAAAA	AACTTGATTA	GGGTGATGGT	TCACGTAGTG	GGCCATCGCC
	551	CTGATAGACG	GTTTTTCGCC	CTTTGACGTT	GGAGTCCACG	TTCTTTAATA
	601	GTGGACTCTT	GTTCCAAACT	GGAACAACAC	TCAACCCTAT	CTCGGTCTAT
15	651	TCTTTTGATT	TATAAGGGAT	TTTGCCGATT	TCGGCCTATT	GGTTAAAAAA
	701	TGAGCTGATT	TAACAAAAAT	TTAACGCGAA	TTTAAACAAA	ATATTAACGT
	751	TTACAATTTT	AGGTGGCACT	TTTCGGGGAA	ATGTGCGCGG	AACCCCTATT
	801	TGTTTATTTT	TCTAAATACA	TTCAAATATG	TATCCGCTCA	TGAATTAATT
	851	CTTAGAAAAA	CTCATCGAGC	ATCAAATGAA	ACTGCAATTT	ATTCATATCA
20	901	GGATTATCAA	TACCATATTT	TTGAAAAAGC	CGTTTCTGTA	ATGAAGGAGA
	951	AAACTCACCG	AGGCAGTTCC	ATAGGATGGC	AAGATCCTGG	TATCGGTCTG
	1001	CGATTCCGAC	TCGTCCAACA	TCAATACAAC	CTATTAATTT	CCCCTCGTCA
	1051	AAAATAAGGT	TATCAAGTGA	GAAATCACCA	TGAGTGACGA	CTGAATCCGG
	1101	TGAGAATGGC	AAAAGTTTAT	GCATTTCTTT	CCAGACTTGT	TCAACAGGCC
25	1151	AGCCATTACG	CTCGTCATCA	AAATCACTCG	CATCAACCAA	ACCGTTATTC
	1201	ATTCGTGATT	GCGCCTGAGC	GAGACGAAAT	ACGCGATCGC	TGTTAAAAGG
	1251	ACAATTACAA	ACAGGAATCG	AATGCAACCG	GCGCAGGAAC	ACTGCCAGCG
	1301	CATCAACAAT	ATTTTCACCT	GAATCAGGAT	ATTCTTCTAA	TACCTGGAAT
	1351	GCTGTTTTCC	CGGGGATCGC	AGTGGTGAGT	AACCATGCAT	CATCAGGAGT
30	1401	ACGGATAAAA	TGCTTGATGG	TCGGAAGAGG	CATAAATTCC	GTCAGCCAGT
	1451	TTAGTCTGAC	CATCTCATCT	GTAACATCAT	TGGCAACGCT	ACCTTTGCCA
	1501	TGTTTCAGAA	ACAACCTCTG	CGCATCGGGC	TTCCCATACA	ATCGATAGAT
	1551	TGTCGCACCT	GATTGCCCCG	CATTATCGCG	AGCCCATTTA	TACCCATATA
	1601	AATCAGCATC	CATGTTGGAA	TTTAATCGCG	GCCTAGAGCA	AGACGTTTCC
35	1651	CGTTGAATAT	GGCTCATAAC	ACCCCTTGTA	TTACTGTTTA	TGTAAGCAGA
	1701	CAGTTTATTT	GTTTCATGACC	AAAATCCCTT	AACGTGAGTT	TTCTGTTCCAC
	1751	TGAGCGTCAG	ACCCCGTAGA	AAAGATCAAA	GGATCTTCTT	GAGATCCTTT
	1801	TTTTCTGCGC	GTAATCTGCT	GCTTGCAAAC	AAAAAAACCA	CCGCTACCAG
	1851	CGGTGGTTTG	TTTGCCGGAT	CAAGAGCTAC	CAACTCTTTT	TCCGAAGGTA
40	1901	ACTGGCTTCA	GCAGAGCGCA	GATACCAAAT	ACTGTCCTTC	TAGTGTAGCC
	1951	GTAGTTAGGC	CACCACTTCA	AGAACTCTGT	AGCACCGCCT	ACATACCTCG
	2001	CTCTGCTAAT	CCTGTTACCA	GTGGCTGCTG	CCAGTGGCGA	TAAGTCGTGT
	2051	CTTACCGGGT	TGGACTCAAG	ACGATAGTTA	CCGGATAAGG	CGCAGCGGTC
	2101	GGGCTGAACG	GGGGGTTCGT	GCACACAGCC	CAGCTTGGAG	CGAACGACCT
45	2151	ACACCGAACT	GAGATACCTA	CACGCTGAGC	TATGAGAAAG	CGCCACGCTT
	2201	CCCGAAGGGA	GAAAGGCGGA	CAGGTATCCG	GTAAGCGGCA	GGGTGCGAAC
	2251	AGGAGAGCGC	ACGAGGGAGC	TTCCAGGGGG	AAACGCCTGG	TATCTTTATA
	2301	GTCTGTCCG	GTTTCGCCAC	CTCTGACTTG	AGCGTCGATT	TTTGTGATGC
	2351	TCGTGAGGGG	GGCGGAGCCT	ATGGAAAAAC	GCCAGCAACG	CGGCCTTTTT
50	2401	ACGGTTCCTG	GCCTTTTGCT	GGCCTTTTGC	TCACATGTTT	TTTCTGCGT
	2451	TATCCCCTGA	TTCTGTGGAT	AACCGTATTA	CCGCCTTTGA	GTGAGCTGAT
	2501	ACCGCTCGCC	GCAGCCGAAC	GACCGAGCGC	AGCGAGTCAG	TGAGCGAGGA
	2551	AGCGGAAGAG	CGCCTGATGC	GGTATTTTCT	CCTTACGCAT	CTGTGCGGTA
	2601	TTTACACCG	CATATATGGT	GCACTCTCAG	TACAATCTGC	TCTGTTCCCG
55	2651	CATAGTTAAG	CCAGTATACA	CTCCGCTATC	GCTACGTGAC	TGGGTCATGG
	2701	CTGCGCCCCG	ACACCCGCCA	ACACCCGCTG	ACGCGCCCTG	ACGGGCTTGT
	2751	CTGCTCCCGG	CATCCGCTTA	CAGACAAGCT	GTGACCGTCT	CCGGGAGCTG
	2801	CATGTGTCAG	AGGTTTTTCAC	CGTCATCACC	GAAACGCGCG	AGGCAGCTGC
	2851	GGTAAAGCTC	ATCAGCGTGG	TCGTGAAGCG	ATTCACAGAT	GTCTGCCTGT
60	2901	TCATCCGCGT	CCAGCTCGTT	GAGTTTCTCC	AGAAGCGTTA	ATGTCTGGCT

2951 TCTGATAAAG CGGGCCATGT TAAGGGCGGT TTTTTCCTGT TTGGTCACTG
 3001 ATGCCTCCGT GTAAGGGGGA TTTCTGTTCA TGGGGGTAAT GATACCGATG
 3051 AAACGAGAGA GGATGCTCAC GATACGGGTT ACTGATGATG AACATGCCCCG
 3101 GTTACTGGAA CGTTGTGAGG GTAAACAACCT GGCGGTATGG ATGCGGCGGG
 5 3151 ACCAGAGAAA AATCACTCAG GGTCAATGCC AGCGCTTCGT TAATACAGAT
 3201 GTAGGTGTTT CACAGGGTAG CCAGCAGCAT CCTGCGATGC AGATCCGGAA
 3251 CATAATGGTG CAGGGCGCTG ACTTCCGCGT TTCCAGACTT TACGAAACAC
 3301 GGAAACCGAA GACCATTTCAT GTTGTGCTC AGGTCGCAGA CGTTTTGCAG
 3351 CAGCAGTCGC TTCACGTTTCG CTCGCGTATC GGTGATTCAT TCTGCTAACC
 10 3401 AGTAAGGCAA CCCC GCCAGC CTAGCCGGGT CCTCAACGAC AGGAGCACGA
 3451 TCATGCGCAC CCGTGGGGCC GCCATGCCGG CGATAATGGC CTGCTTCTCG
 3501 CCGAAACGTT TGGTGGCGGG ACCAGTGACG AAGGCTTGAG CGAGGGCGTG
 3551 CAAGATTCCG AATACCGCAA GCGACAGGCC GATCATCGTC GCGCTCCAGC
 3601 GAAAGCGGTC CTCGCCGAAA ATGACCCAGA GCGCTGCCGG CACCTGTCTT
 15 3651 ACGAGTTGCA TGATAAAGAA GACAGTCATA AGTGC GGCGA CGATAGTCAT
 3701 GCGCGCGCC CACCGGAAGG AGCTGACTGG GTTGAAGGCT CTCAAGGGCA
 3751 TCGGTCGAGA TCCCGGTGCC TAATGAGTGA GCTAACTTAC ATTAATTGCG
 3801 TTGCGCTCAC TGCCCGCTTT CCAGTCGGGA AACCTGTCTG GCCAGCTGCA
 3851 TTAATGAATC GGCCAACGCG CGGGGAGAGG CGGTTTGCGT ATTTGGGCGCC
 20 3901 AGGGTGGTTT TTCTTTTTCAC CAGTGAGACG GGCAACAGCT GATTGCCCTT
 3951 CACCGCCTGG CCCTGAGAGA GTTGCAGCAA GCGGTCCACG CTGGTTTGCC
 4001 CCAGCAGGCG AAAATCCTGT TTGATGGTGG TTAACGGCGG GATATAACAT
 4051 GAGCTGTCTT CCGTATCGTC GTATCCCACT ACCGAGATAT CCGCACCAAC
 4101 GCGCAGCCCG GACTCGGTAA TGGCGCGCAT TGCGCCAGC GCCATCTGAT
 25 4151 CGTTGGCAAC CAGCATCGCA GTGGGAACGA TGCCCTCATT CAGCATTTGC
 4201 ATGGTTTGTT GAAAACCGGA CATGGCACTC CAGTCGCCTT CCCGTTCGCG
 4251 TATCGGCTGA ATTTGATTGC GAGTGAGATA TTTATGCCAG CCAGCCAGAC
 4301 GCAGACGCGC CGAGACAGAA CTTAATGGGC CCGCTAACAG CGCGATTTGC
 4351 TGGTGACCCA ATGCGACCAAG ATGCTCCACG CCCAGTCGCG TACCGTCTTC
 30 4401 ATGGGAGAAA ATAATACTGT TGATGGGTGT CTGGTCAGAG ACATCAAGAA
 4451 ATAACGCCGG AACATTAGTG CAGGCAGCTT CCACAGCAAT GGCATCCTGG
 4501 TCATCCAGCG GATAGTTAAT GATCAGCCCA CTGACGCGTT GCGCGAGAAG
 4551 ATTTGTGCACC GCCGCTTTAC AGGCTTCGAC GCCGCTTCGT TCTACCATCG
 4601 ACACCACCAC GCTGGCACCC AGTTGATCGG CCGGAGATTT AATCGCCGCG
 35 4651 ACAATTTGCG ACGGCGCGTG CAGGGCCAGA CTGGAGGTGG CAACGCCAAT
 4701 CAGCAACGAC TGTTTGCCCG CCAGTTGTTG TGCCACGCGG TTGGGAATGT
 4751 AATTTCAGCTC CGCCATCGCC GCTTCCACTT TTTCCGCGT TTTTCGAGAA
 4801 ACGTGGCTGG CCTGGTTTAC CACGCGGGAA ACGGTCTGAT AAGAGACACC
 4851 GGCATACTCT GCGACATCGT ATAACGTTAC TGGTTTCACA TTCACCACCC
 40 4901 TGAATTGACT CTCTTCCGGG CGCTATCATG CCATACCGCG AAAGGTTTTG
 4951 CGCCATTTCGA TGGTGTCCGG GATCTCGACG CTCTCCCTTA TGCGACTCCT
 5001 GCATTAGGAA GCAGCCAGT AGTAGGTTGA GGCCGTTGAG CACCGCCGCC
 5051 GCAAGGAATG GTGCATGCAA GGAGATGGCG CCCAACAGTC CCCC GCCCAC
 5101 GGGGCCTGCC ACCATACCCA CGCCGAAACA AGCGCTCATG AGCCCGAAGT
 45 5151 GGCGAGCCCG ATCTTCCCA TCGGTGATGT CGGCGATATA GGCGCCAGCA
 5201 ACCGCACCTG TGGCGCCGGT GATGCCGGCC ACGATGCGTC CGGCGTAGAG
 5251 GATCGAGATC TCGATCCCGC GAAATTAATA CGACTCACTA TAGGGGAATT
 5301 GTGAGCGGAT AACAAATCCC CTCTAGAAAT AATTTTGATT TAACTTTAAAG
 5351 AAGGAGATAT ACCATGAAA

SEQUENCE LISTING 4

	1	AGCGCCCAAT	ACGCAAACCG	CCTCTCCCCG	CGCGTTGGCC	GATTCATTAA
	51	TGCAGCTGGC	ACGACAGGTT	TCCCCACTGG	AAAGCGGGCA	GTGAGCGCAA
	101	CGCAATTAAT	GTGAGTTAGC	TCACTCATT	GGCACCACAG	GCTTTACACT
5	151	TTATGCTTCC	GGCTCGTATG	TTGTGTGGAA	TTGTGAGCGG	ATAACAATTT
	201	CACACAGGAA	ACAGCTATGA	CCATGATTAC	GCCAAGCTTG	CATGCGTCGA
	251	GGTCGACTCT	AGAGGATCCC	CGGGTACCGG	TAGAAAAAAT	GAGTAAAGGA
	301	GAAGAACTTT	TCACTGGAGT	TGTCCCAATT	CTTGTTGAAT	TAGATGGTGA
	351	TGTTAATGGG	CACAAATTTT	CTGTCAGTGG	AGAGGGTGAA	GGTGATGCAA
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	501	TTCCCGTTAT	CCGGATCATA	TGAAACGGCA	TGACTTTTTTC	AAGAGTGCCA
	551	TGCCCCGAAG	TTATGTACAG	GAACGCACTA	TATCTTTCAA	AGATGACGGG
	601	AACTACAAGA	CGCGTGCTGA	AGTCAAGTTT	GAAGGTGATA	CCCTTGTTAA
15	651	TCGTATCGAG	TTAAAAGGTA	TTGATTTTAA	AGAAGATGGA	AACATTCTCG
	701	GACACAAACT	CGAGTACAAC	TATAACTCAC	ACAATGTATA	CATCACGGCA
	751	GACAAACAAA	AGAATGGAAT	CAAAGCTAAC	TTCAAAATTC	GCCACAACAT
	801	TGAAGATGGA	TCCGTTCAC	TAGCAGACCA	TTATCAACAA	AATACTCCAA
	851	TTGGCGATGG	CCCTGTCCTT	TTACCAGACA	ACCATTACCT	GTGACACAAA
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	951	TGAGTTTGTA	ACTGCTGCTG	GGATTACACA	TGGCATGGAT	GAGCTCTACA
	1001	AATAATGAAT	TCCAAC TGAG	CGCCGGTCGC	TACCATTACC	AACTTGTCTG
	1051	GTGTCAAAAA	TAATAGGCCT	ACTAGTCGGC	CGTACGGGCC	CTTTCGTCTC
	1101	GCGCGTTTCG	GTGATGACGG	TGAAAACCTC	TGACACATGC	AGCTCCCGGA
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	1201	AGGGCGCGTC	AGCGGGTGTT	GGCGGGTGTC	GGGGCTGGCT	TAACATGCG
	1251	GCATCAGAGC	AGATTGTACT	GAGAGTGCAC	CATATGCGGT	GTGAAATACC
	1301	GCACAGATGC	GTAAGGAGAA	AATACCGCAT	CAGGCGGCCT	TAAGGGCCTC
	1351	GTGATACGCC	TATTTTTATA	GGTTAATGTC	ATGATAATAA	TGGTTTCTTA
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	1451	TATTTTTCTA	AATACATTCA	AATATGTATC	CGCTCATGAG	ACAATAACCC
	1501	TGATAAATGC	TTCAATAATA	TTGAAAAGG	AAGAGTATGA	GTATTCAACA
	1551	TTTCCGTGTC	GCCCTTATTC	CCTTTTTTGC	GGCATTGTC	CTTCTGTTT
	1601	TTGCTCACCC	AGAAACGCTG	GTGAAAGTAA	AAGATGCTGA	AGATCAGTTG
35	1651	GGTGACGAG	TGGGTACAT	CGAACTGGAT	CTCAACAGCG	GTAAGATCCT
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	1751	TTCTGCTATG	TGGCGCGGTA	TTATCCCGTA	TTGACGCCGG	GCAAGAGCAA
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	1851	AGTCACAGAA	AAGCATCTTA	CGGATGGCAT	GACAGTAAGA	GAATTATGCA
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	2201	CCCTTCCGGC	TGGCTGGTTT	ATTGCTGATA	AATCTGGAGC	CGGTGAGCGT
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SEQUENCE LISTING 5

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